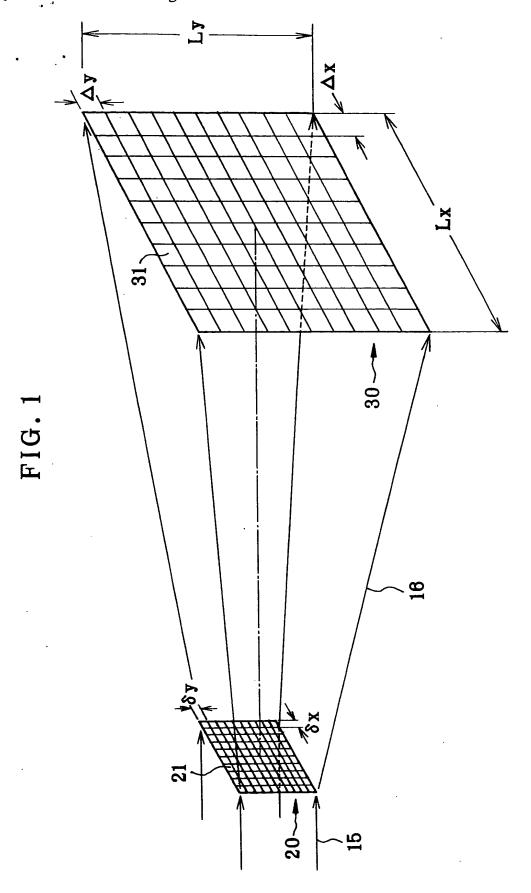
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Filing Date: August 4, 2003 Darryl Mexic 202-663-7909 Page 2 of 7 (P) Application of bound condition (N) 4 AHOLO (u, V)  $[A_{\mathsf{HOLO}}(\mathfrak{u},\mathtt{v})]$  $\phi_{\text{HOLO}}(\mathfrak{n},\mathbf{v})$  $\phi_{ ext{HOPO}}$  (n,v) → Hologram  $A_{HOLO}(u,v) \leftarrow 1$ Fourier transform space Inverse Fourier transform  $\left( A_{IMG}\left( \mathbf{x,y}\right) \right)$  $\phi_{\text{IMG}}(x,y)$ AIMG (X,Y) φ<sub>IMG</sub> (x,y) Image≪ FIG. 2 space Pixel value of input image  $A_{IMG}(x,y) \leftarrow -Pixel$  value of input image  $A_{IMG}(x,y) \Rightarrow Pixel value of input image$ **©** (D)  $\odot$ Application of bound condition Convergence judgment  $\phi_{IMG}(x,y) \leftarrow -Random$ Intact YES 0 N START END Initialization  $A_{IMG}(x,y)$ φ<sub>IMG</sub> (x,y)

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FIG. 3

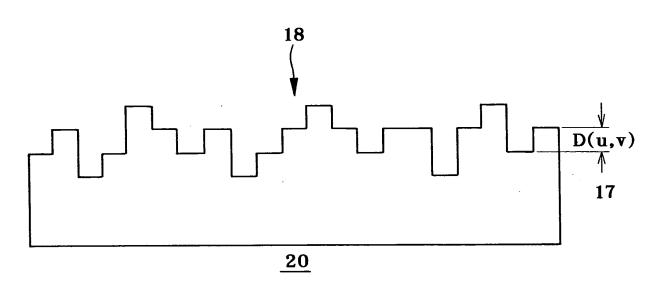


FIG. 4(a)

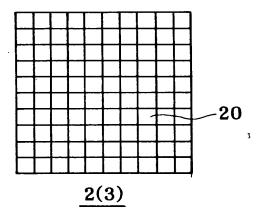
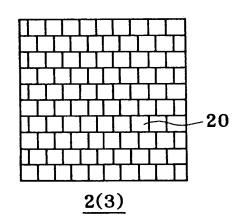


FIG. 4(b)



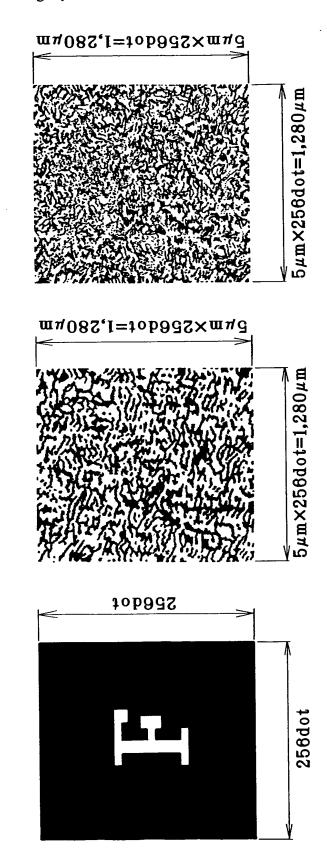
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FIG. 5(c)

FIG. 5(b)

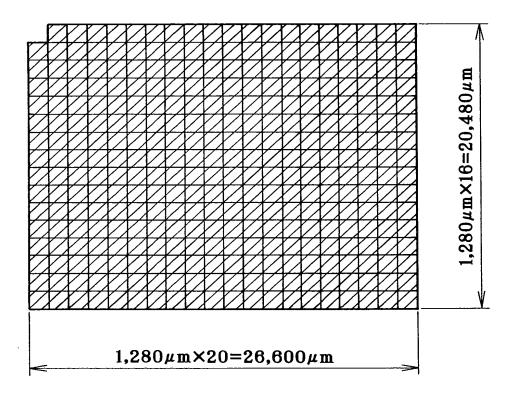
FIG. 5(a)



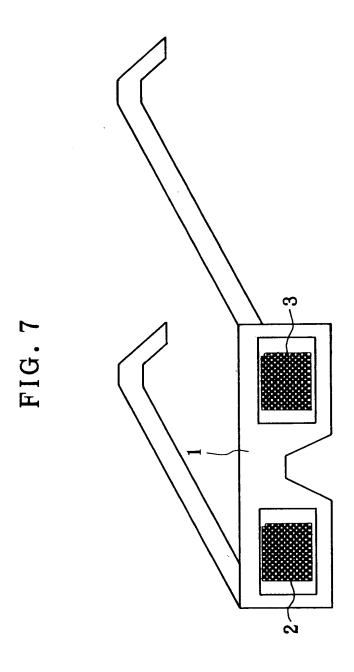
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FIG. 6



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FIG. 8(a)

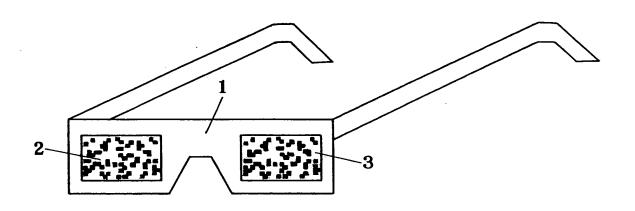


FIG. 8(b)

FIG. 8(c)

